

SEQUENCE LISTING

<110> Donovan, Stephen

<120> METHODS FOR TREATING INFLAMMATION PAIN

<130> D-3018

<140> N/A

<141> 2002-02-21

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 11

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: This fragment is a substance P and is very well known in the art.

<220>

<221> MOD_RES

<222> (10)

<223> Xaa at position 10 is Methionine amide;

<300>

<310> 5891842

<311> 1996-04-12

<312> 1999-04-16

<400> 1

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Xaa

1

5

10

<210> 2

<211> 12

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Precursor to substance P, which is very well known in the art.

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Shimonka, et al.
<303> J. Neurochem.
<304> 52
<306> 81-92
<307> 1992

<400> 2
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
1 5 10

<210> 3
<211> 13
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: This fragment is
a precursor to substance P and is very well known
in the art.

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Shimonka, et al.
<303> J. Neurochem.
<304> 52
<306> 81-92
<307> 1992

<400> 3
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
1 5 10

<210> 4
<211> 14
<212> PRT
<213> Unknown Organism

DOCUMENT NUMBER
= 02252

<220>

<223> Description of Unknown Organism: This fragment is a precursor to substance P and is very well known in the art.

<300>

<310> 5891842

<311> 1996-04-12

<312> 1999-04-16

<300>

<301> Shimonka, et al.

<303> J. Neurochem.

<304> 52

<306> 81-92

<307> 1992

<400> 4

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
1 5 10

<210> 5

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: This fragment is a carboxy-ester synthetic precursor to substance P.

<220>

<221> MOD_RES

<222> (12)

<223> Xaa at position 12 is Glycine Methyl Ester;

<300>

<310> 5891842

<311> 1996-04-12

<312> 1999-04-16

<300>

<301> Lee, et al.

<303> Eur. J. Biochem.

<304> 114

<306> 315-327

1981

<300>

<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35
<306> 86-138
<307> 1983

<300>

<301> Regoli, et al.
<303> TIPS
<304> 9
<306> 290-295
<307> 1988

<400> 5

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Xaa
1 5 10

<210> 6

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: This is a
carboxy-ester synhetic precursor to substance P.

<220>

<221> MOD_RES

<222> (13)

<223> Xaa at position 13 is Lysine Methyl Ester;

<300>

<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>

<301> Lee, et al.
<303> Eur. J. Biochem.
<304> 114
<306> 315-327
<307> 1981

<300>

<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35
<306> 86-138
<307> 1983

<300>
<301> Regoli, et al.
<303> TIPS
<304> 9
<306> 290-295
<307> 1988

<400> 6
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Xaa
1 5 10

<210> 7
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is a
carboxy-ester synthetic precursor to substance P.

<220>
<221> MOD_RES
<222> (14)
<223> Xaa at position 14 is Arginine Methyl Ester;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lee, et al.
<303> Eur. J. Biochem.
<304> 114
<306> 315-327
<307> 1981

<300>
<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35

2025 RELEASE UNDER E.O. 14176

<306> 86-138
<307> 1983

<300>
<301> Regoli, et al.
<303> TIPS
<304> 9
<306> 290-295
<307> 1988

<400> 7

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Xaa
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is a
carboxy-ester synthetic precursor to substance P.

<220>
<221> MOD_RES
<222> (12)
<223> Xaa at position 12 is Glycine Ethyl Ester;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lee, et al.
<303> Eur. J. Biochem.
<304> 114
<306> 315-327
<307> 1981

<300>
<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35
<306> 86-138
<307> 1983

<300>
<301> Regoli, et al.
<303> TIPS
<304> 9
<306> 290-295
<307> 1988

<400> 8
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Xaa
1 5 10

<210> 9
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is a
carboxy-ester synthetic precursor to substance P.

<220>
<221> MOD_RES
<222> (13)
<223> Xaa at position 13 is Lysine Ethyl Ester;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lee, et al.
<303> Eur. J. Biochem.
<304> 114
<306> 315-327
<307> 1981

<300>
<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35
<306> 86-138
<307> 1983

<300> ..
<301> Regoli, et al.
<303> TIPS

<304> 9
<306> 290-295
<307> 1988

<400> 9
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Xaa
1 5 10

<210> 10
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is a
carboxy-ester synthetic precursor to substance P.

<220>
<221> MOD_RES
<222> (14)
<223> Xaa at position 14 is Arginine Ethyl Ester;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lee, et al.
<303> Eur. J. Biochem.
<304> 114
<306> 315-327
<307> 1981

<300>
<301> Pernow, B.
<303> Pharmacol. Rev.
<304> 35
<306> 86-138
<307> 1983

<300>
<301> Regoli, et al.
<303> TIPS
<304> 9
<306> 290-295
<307> 1988

<400> 10

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Xaa
1 5 10

<210> 11

<211> 4

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: This is a naturally occurring amino terminal peptide fragment derived from substance P.

<220>

<221> MOD_RES

<222> (1)..(4)

<223> This sequence is made up by the first four amino acids of substance P.

<300>

<310> 5891842

<311> 1996-04-12

<312> 1999-04-16

<300>

<303> Nature

<304> 262

<306> 784-785

<307> 1986

<300>

<303> J. Neurosci.

<304> 10

<306> 1309-1318

<307> 1990

<400> 11

Arg Pro Lys Pro

1

<210> 12

<211> 7

<212> PRT

<213> Unknown Organism

1000882000022502

<220>

<223> Description of Unknown Organism: This is a naturally occurring amino acid thermal peptide fragment derived from substance P.

<220>

<221> MOD_RES

<222> (1)..(7)

<223> This fragment is made up of the first seven amino acids of substance P.

<300>

<310> 5891842

<311> 1996-04-12

<312> 1999-04-16

<300>

<303> Nature

<304> 262

<306> 784-785

<307> 1986

<300>

<303> J. Neurosci.

<304> 10

<306> 1309-1318

<307> 1990

<400> 12

Arg Pro Lys Pro Gln Gln Phe

1

5

<210> 13

<211> 9

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: This is a naturally occurring amino acid thermal peptide fragment derived from substance P.

<220>

<221> MOD_RES

<222> (1)..(9)

<223> This fragment is made up of the first nine amino

acids of substance P.

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<303> Nature
<304> 262
<306> 784-785
<307> 1986

<300>
<303> J. Neurosci.
<304> 10
<306> 1309-1318
<307> 1990

<400> 13
Arg Pro Lys Pro Gln Gln Phe Phe Gly
1 5

<210> 14
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is an
analog of substance P

<220>
<221> MOD_RES
<222> (2)
<223> Xaa at position 2 is D-form of Proline;

<220>
<221> MOD_RES
<222> (7)
<223> Xaa in position 7 is D-form of Phenylalanine;

<220>
<221> MOD_RES
<222> (9)
<223> Xaa in position 9 is D-form of Tryptophan;

<220>
<221> MOD_RES
<222> (11)
<223> Xaa in position 11 is Methionine amide;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lavielle, et al.
<303> Biochem. Pharmacol.
<304> 37
<306> 41-
<307> 1988

<300>
<301> Quirion, R.
 Dam, T.V.
<303> Regulatory Peptides
<304> 22
<306> 18-
<307> 1988

<400> 14
Arg Xaa Lys Pro Gln Gln Xaa Phe Xaa Leu Xaa
1 5 10

<210> 15
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is an
analog of substance P

<220>
<221> MOD_RES
<222> (2)
<223> Xaa in position 2 is D-form of Proline;

<220>
<221> MOD_RES
<222> (7)
<223> Xaa in position 7 is D-form of Phenylalanine;

<220>
<221> MOD_RES
<222> (9)
<223> Xaa in position 9 is D-form of Tryptophan;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lavielle, et al.
<303> Biochem. Pharmacol.
<304> 37
<306> 41-
<307> 1988

<300>
<301> Quirion, R.
Dam, T.V.
<303> Regulatory Peptides
<304> 22
<306> 18-
<307> 1988

<400> 15
Arg Xaa Lys Pro Gln Gln Xaa Phe Xaa Leu Met Gly
1 5 10

<210> 16
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is an
analog of substance P

<220>
<221> MOD_RES
<222> (2)
<223> Xaa in position 2 is D-form of Proline;

<220>
<221> MOD_RES
<222> (7)

2000-02-20 10:00:00

<222> (2)
<223> Xaa in position 2 is D-form of Proline;

<220>
<221> MOD_RES
<222> (7)
<223> Xaa in position 7 is D-form of Tryptophan;

<220>
<221> MOD_RES
<222> (9)
<223> Xaa in position 9 is D-form of Tryptophan;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lavielle, et al.
<303> Biochem. Pharmacol.
<304> 37
<306> 41-
<307> 1988

<300>
<301> Quirion, R.
 Dam, T.V.
<303> Regulatory Peptides
<304> 22
<306> 18-
<307> 1988

<400> 17
Arg Xaa Lys Pro Gln Gln Xaa Phe Xaa Leu Met Gly
 1 5 10

<210> 18
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: This is an
 analog of substance P.

<220>

<221> MOD_RES
<222> (11)
<223> Xaa at position 11 is Methionine amide;

<300>
<310> 5891842
<311> 1996-04-12
<312> 1999-04-16

<300>
<301> Lavielle, et al.
<303> Biochem. Pharmacol.
<304> 37
<306> 41-
<307> 1988

<300>
<301> Quirion, R.
 Dam, T.V.
<303> Regulatory Peptides
<304> 22
<306> 18-
<307> 1988

<400> 18

Arg	Pro	Cys	Pro	Gln	Cys	Phe	Tyr	Gly	Pro	Xaa
1						5				10